

FIG. 1

The diagram illustrates the interaction between a **Terminal (MS)** (11), an **Access server (PDSN)** (12), an **IP network or Internet** (13), and an **Accounting Server** (18). The Accounting Server consists of a **AAA** (14) and a **PPS** (15) which includes a **Protocol Server** (16) and an **Account** (17).

The sequence of events is as follows:

- Connection request** (21) from Terminal (MS) to Access server (PDSN).
- Access Request** (22) from Access server (PDSN) to AAA.
- Authentication** (23) from AAA to PPS.
- Access Request** (24) from AAA to PPS.
- Authorization** (25) from PPS to AAA.
- Access Accept (Max. Volume V, Min. volume v)** (26) from AAA to Access server (PDSN).
- Accounting Request Start** (27) from Access server (PDSN) to AAA.
- Accounting Request Start** (29) from AAA to PPS.
- Accounting Response (Max. Volume V, Min. volume v)** (28) from AAA to Access server (PDSN).
- Accounting Response (Pre-Paid Attributes)** (31) from PPS to AAA.
- Accounting Interim** (32) from Access server (PDSN) to AAA.
- Accounting Interim** (34) from AAA to PPS.
- Accounting Request Stop** (35) from Access server (PDSN) to AAA.
- Accounting Request Stop** (37) from AAA to PPS.
- Accounting Response (Max. Volume W, Min. volume w)** (36) from AAA to Access server (PDSN).
- Accounting Response (Pre-Paid Attributes)** (39) from PPS to AAA.
- Accounting Request Start** (41) from Access server (PDSN) to AAA.
- Accounting Request Start** (43) from AAA to PPS.
- Accounting Response** (42) from AAA to Access server (PDSN).
- Accounting Response** (45) from PPS to AAA.
- Accounting Interim** (46) from Access server (PDSN) to AAA.
- Accounting Interim** (44) from AAA to PPS.
- Accounting Request Stop** (47) from Access server (PDSN) to AAA.
- Accounting Request Stop** (48) from AAA to PPS.
- Accounting Response (Termination Indicator)** (52) from AAA to Access server (PDSN).
- Accounting Response (Pre-Paid Attributes)** (51) from PPS to AAA.
- Connection end** (53) from Access server (PDSN) to Terminal (MS).

Connection end

FIG. 2

